

370 IN-SR THX Certified
On-Wall/In-Wall Dipole Surround Speaker



 **Atlantic Technology**[®]
INNOVATIVE HOME THEATER

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Instruction Manual

370 IN-SR

THX Certified On-Wall/In-Wall Dipole Surround Speaker

Thank you for choosing Atlantic Technology home theater products. Your new speaker system is precision crafted to give you years of enjoyable, trouble free service. This manual covers the Atlantic Technology 370 IN-SR Dipole On-wall/In-wall Surround speaker. This unique speaker has been optimized for use with any multi-channel sound format including Dolby Surround®, Dolby Pro-Logic®, Dolby Digital 5.1® and DTS®.

The **Model 370 IN-SR Surround Speaker** is intended for use in audio/video sound systems with dedicated surround channel speakers. Each speaker has two 5-1/4" CCMG (Coated Composite Molded Graphite) woofers, as well as two 3/4" fabric dome tweeters which are angled and phased to produce ambience without localization. Its wide bandwidth and unique construction makes it especially suitable for Dolby Digital and DTS applications. Please note that there is a dedicated LEFT and RIGHT model 370 IN-SR. This is clearly marked on the back of each speaker.

Note: *The 370 IN-SR is **not** intended for use as a regular right and left front channel stereo speaker or satellite. Its spatial performance characteristics are simply not appropriate for this purpose. This speaker will work with any number of home theater systems including, but not limited to, Atlantic Technology Systems 450 THX, 370 THX, 270, and 4.5. As a THX certified Dipole surround the 370 IN-SR may be used with any THX certified or non-THX certified system. Although the speakers in Atlantic Technology Systems are acoustically and cosmetically matched to each other for best results, they may also be used with a wide variety of speakers from other manufacturers with satisfying results.*

Connecting Your System

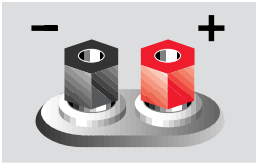
We recommend that you connect your speakers with high quality dual conductor stranded wire of 18 gauge or larger, for lengths up to 25 feet. Use 16 gauge dual conductor or larger for longer runs of wire. Contact your audio/video dealer for specific cable recommendations and further information for special circumstances.

Warning: *To prevent risk of electrical shock or damage to your equipment, always switch off the amplifier or receiver when making connections to the speaker.*

You can connect your 370 IN-SR speakers by using a variety of audio connectors, or you can:

1. Remove 1/2" of insulation from each wire end.
2. Twist the stranded wire together, keeping the two ends separate.
3. Place the appropriate wire through the appropriate postholes in the connectors. These holes are revealed when you loosen the connector thumbscrew.
4. Screw down the thumbscrew tightly.

We recommend that you check your local electrical codes to make sure that you are not using an improper connector.



It is important to observe polarity while making speaker connections: red (+) terminals on the amplifier to red (+) on the speaker, black (-) on the amplifier to black (-) on the speaker. Look carefully at the wires you are using and note that one of conductors of each pair is marked by a different color, printing, ridges, or a thread intertwined with the wire strands. By convention, the marked wire is connected to the red (+) terminal.

Warning: Before turning on the amplifier, be certain that no stray wire strands are touching across the two terminals as this might damage your amplifier.

Home Theater

Please note that the primary goal of a good home theater is not to make you believe that you are in a movie theater. It's to make you believe you are in the scene taking place on the screen.

Note: Most discrete digital home theater systems allow you to select between "Small" and "Large" surround speakers. Since the 370 IN-SR is a THX certified speaker it has been designed only to work with a subwoofer used to reproduce frequencies below 80 Hz. Therefore, please set the processor for "Small" surround speakers.

Surround Effects

The 370 IN-SR's size, shape, and unique ability to mount on, or recessed within, a standard wall significantly increases its placement flexibility and dramatically reduces its visual room intrusion. The result is greater flexibility in placement than the vast majority of conventional surround loudspeakers. Installation instructions for the 370 IN-SR are detailed on the enclosed cardboard mounting template.

Due to the 370 IN-SR's dipole spatial characteristics, it is possible to place the speakers in a number of locations, but usually the best location is straight out to the sides of, or slightly behind the primary listening area, approximately 1-2 feet above ear level.

Note: Since the surround speakers are intended to re-create the ambient sounds taking place in the movie scene you may not be directly aware of their presence for much of the movie. This is because the signal they receive is almost overwhelmingly subtle sounds that are intended to make you believe you're "where the action is."

Mounting

Note: In-wall installation instructions for the 370 IN-SR are detailed on the enclosed cardboard mounting template.

The orientation of the 370 IN-SR's is important to the proper generation of an involving and diffuse surround effect. Mount each speaker on the wall or within a wall so that the "direct" soundfield is aimed toward the front of the room, and the "ambient" soundfield is directed toward the rear. To insure this orientation, make sure that the RIGHT speaker is on the right side wall of the room, and the LEFT speaker is on the left side wall of the room. The speakers are marked RIGHT and LEFT on the back.

To mount your speakers on a wall, we have installed metal key-hole brackets on the back of the 370 IN-SR. Be sure to use a strong screw whose head and shaft will fit within the keyhole opening and slot. Also be sure to drive the screw well into a stud or use a mounting device (such as a molly-bolt) that is capable of holding the weight of the speaker. Never simply drive a nail or screw into sheet rock or other wall materials. Always follow the above guidelines for safe speaker mounting.

For greatest flexibility, you can use pivoting ball-and-socket wall brackets of suitable weight rating (e.g., Omnimount 50 Series, Vogel, etc.), usually available from your audio/video retailer. These can be connected to the 370 IN-SR using the 1/4x20 threaded insert in the back of the cabinet.

Again, for safety, please use suitably secured wall anchors (such as molly-bolts), or screws driven into wall studs.

Care and Feeding of Your Speakers

Clean your speaker cabinets using a soft cloth moistened with a mild, non-abrasive glass cleaner, being careful not to wet the edges of the cabinet. Also, be careful not to get any cleaning fluids on the driver cones or domes. It may be best to dampen the cloth with the cleaner and then wipe the speakers. After carefully removing the grilles from the speakers by pulling them forward, clean them with a quick pass from a vacuum cleaner using a soft brush attachment. This should remove any dust accumulation. Avoid placing your speakers in direct sunlight or near a source of heat that may, over time, damage the finish.

Important: Save Your Boxes! If you can, save the cartons, packing pieces, and plastic bags that came with your speakers. They'll be useful in case you move or have to ship your loudspeakers for any reason. In any case, save all packing materials until you are certain that the systems have suffered no damage in shipment. If you find such damage, either visible or internal, contact your dealer immediately for the proper return procedure.

370 IN-SR Specifications

Model	370 IN-SR
Type	Sealed enclosure, frequency-enhanced on-wall/in-wall THX certified dipole surround speaker
Drivers	2 – 5-1/4" CCMG woofer/midrange, 2 – 3/4" silk dome fluid cooled tweeters
Frequency Response (±3dB)	80Hz – 20kHz
Nominal Impedance	8Ω
Crossover Frequency	3.5kHz
Sensitivity	87dB
Recommended Amplifier Power	100 – 200 WRMS
Magnetic Shielding	No
Weight	12lbs., 5.45kg

Specifications are those in effect at the time of printing. Atlantic Technology reserves the right to change specifications or appearance at any time without notice. Dolby Digital, AC-3, 5.1, Dolby Stereo and Dolby Pro Logic are trademarks of Dolby Laboratories Licensing Corporation. DTS is a registered trademark of DTS Technology.

For Future Reference

Record your speaker(s) serial number(s) and date of purchase here. The serial number is found on the back of the speaker near the connecting terminals.

Model Number _____ Serial Number _____ Date of Purchase _____